

Title (en)
Thrust reversing device for jet aircraft engines.

Title (de)
Schubumkehrvorrichtung für ein Strahltriebwerk.

Title (fr)
Inverseur de poussée de turboréacteur.

Publication
EP 0574730 A1 19931222 (EN)

Application
EP 93108306 A 19930522

Priority
IT TO920490 A 19920609

Abstract (en)
Thrust reversing device for jet aircraft engines, comprising a pair of semi-shells (5) which can be moved between a retracted position where they define a part of the exhaust nozzle (1) and a deployed position where they define a deflection for the thrust reversion and an end collar (9) installed at the termination of the exhaust nozzle (1) so as to move between an advanced position, where said collar (9) defines the termination of the discharge nozzle (1) forming a discharge nozzle of ideal shape, and a retracted position, which allows the deployment of said semi-shells (5).
<IMAGE>

IPC 1-7
F02K 1/60; **F02K 1/11**

IPC 8 full level
F02K 1/11 (2006.01); **F02K 1/60** (2006.01)

CPC (source: EP US)
F02K 1/11 (2013.01 - EP US); **F02K 1/60** (2013.01 - EP US)

Citation (search report)
• [A] FR 2638783 A1 19900511 - ASTECH [FR]
• [A] US 2680948 A 19540615 - GREENE WILLIAM L
• [A] GB 800770 A 19580903 - HAVILLAND ENGINE CO LTD
• [A] FR 2081954 A1 19711210 - ROLLS ROYCE

Cited by
FR2912189A1; RU2472024C2; EP0774578A1; FR2741114A1; US5775097A; EP0905364A1; FR2768773A1; US6151885A; FR2734868A1; US5930991A; CN1078664C; EP3620641A1; FR3006378A1; EP3620643A1; GB2287920A; GB2287920B; US5836149A; US10018152B2; US8448420B2; WO9718389A1; WO9638661A1; WO9915771A1; WO2014191696A1; WO2008107605A3; US11300077B2; US11333102B2; US11873782B2; US11891966B2; US11346304B2; US11913407B2

Designated contracting state (EPC)
BE DE ES FR GB NL

DOCDB simple family (publication)
EP 0574730 A1 19931222; **EP 0574730 B1 19960207**; DE 69301503 D1 19960321; DE 69301503 T2 19960718; ES 2089635 T3 19961001; IT 1257222 B 19960110; IT TO920490 A0 19920609; IT TO920490 A1 19931209; JP 2640207 B2 19970813; JP H06193508 A 19940712; US 5392991 A 19950228

DOCDB simple family (application)
EP 93108306 A 19930522; DE 69301503 T 19930522; ES 93108306 T 19930522; IT TO920490 A 19920609; JP 13788393 A 19930608; US 7164693 A 19930603